



10-13-04

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of
Nigel Cronin

Serial No. 09/914,375

Docket No. 1570.3024.001

Filed: January 15, 2002

For: RADIATION APPLICATOR

CERTIFICATE OF EXPRESS MAIL

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Suzanne J. Wills
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This citation of references is not a representation that these references constitute a complete or exhaustive listing of the prior art. It is simply a voluntary citation of references made in good faith which is not intended to serve as a substitute for the Examiner's search and is made to assist the Examiner in making as thorough a search as possible.

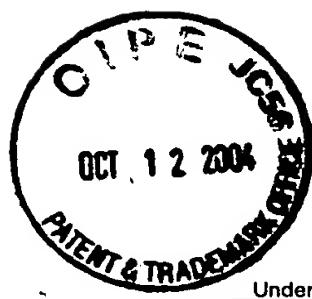
The Commissioner is authorized to charge any fee or credit any overpayment in connection with this communication to our Deposit Account No. 50-0852. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

REISING, ETHINGTON, BARNES, KISSELLE, P.C.

Eric T. Jones, Reg. No. 40,037
P.O. Box 4390
Troy, Michigan 48099-4390
(248) 689-3500

Date: 10-12-04



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| | | Application Number | 09/914,375 |
| | | Filing Date | January 15, 2002 |
| | | First Named Inventor | Nigel Cronin |
| | | Art Unit | 3739 |
| | | Examiner Name | A. Roane |
| Sheet 1 | of 5 | Attorney Docket Number | 1570.3024.001 |

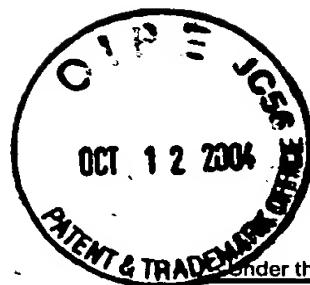
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| | 1 | IEICE Transactions on Communications, Vol. E78-B, No. 6, pp 845-850, June 1995 | |
| | 2 | IEEE Transactions on Microwave Theory and Techniques, Vol. 39, No. 7, pp 1178, July 1991 | |
| | 3 | 1990 International Symposium Digest. Antennas and Propagation. Institute of Electrical and Electronics Engineers. Merging Technologies for the 90s, pp. 1233-1236, Vol. 3, | |
| | 4 | 1990 IEEE MTT-S International Microwave Symposium Digest, pp. 545-548, Vol. 1, 1990, 3 Vol. 1371, pp. | |
| | 5 | Physics in Medicine and Biology, Vol. 35, No. 6, pp 761-779, June 1990 | |
| | 6 | IEE Colloquium on Medical Applications of Microwaves, pp. 1/1-4/2/1-4, 1988, 52 pp. | |
| | 7 | Proceedings of the 1985 International Symposium on Antennas and Propagation, pp. 751-754, Vol. 3, 1985 | |
| | 8 | IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-34, no. 5, pp. 631-635, May 1986 | |
| | 9 | 1985 IEEE - MTT-S International Microwave Symposium Digest, pp. 196-199, 1985, v+743 pp. | |
| | 10 | 1985 IEEE - MTT-S International Microwave Symposium Digest, pp. 86-89, 1985, v+743 pp. | |

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| | 11 | 1984 International Symposium on Electromagnetic Compatibility, pp. 366-371, vol. 1 1984, 2 vol. Xvi+956 pp | |
| | 12 | Proceedings of the Tenth Annual Northeast Bioengineering Conference, pp 94, 1982, xi+356 pp | |
| | 13 | IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-28, no. 12, pp. 1418-1422, Dec. 1980 | |
| | 14 | 1980 IEEE MTT-S International Microwave Symposium Digest, pp. 351-354, 1980, xx+511 pp | |
| | 15 | Radio Science, Vol. 12, no. 6, suppl., pp. 111-122, Nov.-Dec. 1977 | |
| | 16 | 1977 International Microwave Symposium Digest, pp. 364-367, 1977 | |
| | 17 | Br. J. Hosp. Med., 1992 Feb. 5-18; 47 (3): 192-6 | |
| | 18 | 1998 IEEE - MTT-S International Microwave Symposium Digest, Pt. Vol. 2, pp. 755-758 Vol. 2, 1998 | |
| | 19 | IEEE Transactions on Biomedical Engineering, Vol. 45, no. 7, pp. 885-890, July 1998. | |
| | 20 | Proceedings of the IEEE 23rd Northeast Bioengineering Conference, pp. 46-47, 1997 | |

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Sheet

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of

5

Application Number

09/914,375

Filing Date

January 15, 2002

First Named Inventor

Nigel Cronin

Art Unit

3739

Examiner Name

A. Roane

Attorney Docket Number

1570.3024.001

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| | 21 | 1995 IEEE MTT-S International Microwave Symposium Digest, Pt. Vol. 1, pp. 303-306, vol. 1, 1995 | |
| | 22 | IEEE Transactions on Microwave Theory and Techniques, Vol. 41, no. 6-7, pp. 1135-1142, June-July 1993. | |
| | 23 | 1991 IEEE MTT-S International Microwave Symposium Digest, 10-14 June 1991, 787-790. | |
| | 24 | Conference Proceedings. 21st European Microwave Conference, Microwave '91, pp. 1427-1432, 1991, 2 vol. | |
| | 25 | IEEE Transactions on Microwave Theory and Techniques, Vol. 39, no. 6, pp. 1048-1054, June 1991 | |
| | 26 | International Journal of Hyperthermia, Vol. 6, no. 6, pp. 997-1004, Nov.-Dec. 1990 | |
| | 27 | Proceedings of 2nd International Symposium on Recent Advances in Microwave Technology, pp. 363-365, 1989. | |
| | 28 | International Journal of Hyperthermia, Vol. 6, no. 4, pp. 745-753, July-Aug. 1990 | |
| | 29 | 1989 International Symposium Digest: Antennas and Propagation, pp. 540-543, vol. 1 | |
| | 30 | Proceedings of the Eighth Annual Conference of the IEEE/Engineering in Medicine and Biology Society, pp. 1454-1457, vol. 3, 1986, 3 vol. 1952 pp. | |

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| | 31 | International Journal of Hyperthermia, Vol. 3, no. 1, pp. 37-47 Jan.-Feb. 1987 | | T ² |
| | 32 | Journal of Microwave Power, Vol. 19, no. 4, pp. 259-267, Dec. 1984 | | |
| | 33 | International Journal of Radiation Oncology Biology Physics, Vol. 10, no. 11, pp. 2155-2162, Nov. 1984 | | |
| | 34 | IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-30, no. 11, pp. 2005-2008, Nov. 1982 | | |
| | 35 | IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-27, no. 9, pp. 767-799, Sept. 1979 | | |
| | 36 | Proceedings of the 8th European Microwave Conference, pp. 559-563, 1978, 835 pp. | | |
| | 37 | Lancet, 14 Oct. 1995, pp. 1003-4 | | |
| | 38 | Br. J. Obstet. Gynaecol., July 1999, pp. 684-94 | | |
| | 39 | Lancet, 27 Nov. 1999, pp. 1859-63 | | |
| | 40 | Contrib. Gynecol. Obstet., 2000 pp. 91-120 | | |

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| | 41 | Contrib. Gynecol. Obstet., 2000 pp. 145-53 | | |
| | 42 | Fertil. Sterilisation, 2000 Mar., pp. 598 | | |
| | 43 | Curr. Opin. Obstet. Gynecol., 2000 Aug., pp. 293-6 | | |
| | 44 | Clin. Obstet. Gynecol, 2000 Sept., pp. 575-83 | | |
| | 45 | BJOG., 2000 Dec., pp. 1443-52 | | |
| | 46 | J. Am. Assoc. Gynecol. Laparosc., 2001 Feb., pp. 83-6 | | |
| | 47 | J. Reprod. Med., 2001 June, pp. 559-63 | | |
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